

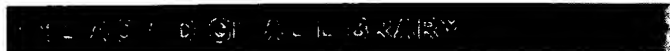


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### 1 [Compact Encodings of List Structure](#)



Daniel G. Bobrow, Douglas W. Clark

October 1979 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,

Volume 1 Issue 2

Publisher: ACM Press

Full text available: [pdf\(1.40 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

List structures provide a general mechanism for representing easily changed structured data, but can introduce inefficiencies in the use of space when fields of uniform size are used to contain pointers to data and to link the structure. Empirically determined regularity can be exploited to provide more space-efficient encodings without losing the flexibility inherent in list structures. The basic scheme is to provide compact pointer fields big enough to accommodate most values that occur i ...

### 2 [Technical reports](#)



SIGACT News Staff

April 1981 **ACM SIGACT News**, Volume 13 Issue 2

Publisher: ACM Press

Full text available: [pdf\(2.64 MB\)](#)Additional Information: [full citation](#)

### 3 [Abstraction in Pascal: data and control](#)



Richard E. Pattis

February 1987 **ACM SIGCSE Bulletin , Proceedings of the eighteenth SIGCSE technical symposium on Computer science education SIGCSE '87**, Volume 19 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.21 MB\)](#)Additional Information: [full citation](#), [references](#), [index terms](#)

### 4 [Searching in metric spaces](#)



Edgar Chávez, Gonzalo Navarro, Ricardo Baeza-Yates, José Luis Marroquín

September 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 3

Publisher: ACM Press

Full text available: [pdf\(916.04 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The problem of searching the elements of a set that are close to a given query element under some similarity criterion has a vast number of applications in many branches of computer science, from pattern recognition to textual and multimedia information




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## 21 [The object-oriented brewery: a comparison of two object-oriented development](#)

### [methods](#)

Robert C. Sharble, Samuel S. Cohen

 April 1993 **ACM SIGSOFT Software Engineering Notes**, Volume 18 Issue 2

Publisher: ACM Press

 Full text available: [pdf\(1.61 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Interest in object-oriented methods has been rapidly increasing, as software developers and project managers try to reduce escalating development and maintenance costs. There is an increasing need to determine if there are differences in effectiveness between various methods of object-oriented software development, and whether techniques from more successful methods can be extracted and applied to improve other methods. This paper reports on research to compare the effectiveness of two methods fo ...

## 22 [Static evaluation of functional programs](#)

### [Gary Lindstrom](#)

 July 1986 **ACM SIGPLAN Notices , Proceedings of the 1986 SIGPLAN symposium on Compiler construction SIGPLAN '86**, Volume 21 Issue 7

Publisher: ACM Press

 Full text available: [pdf\(922.49 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Static evaluation underlies essentially all techniques for a priori semantic program manipulation, i.e. those that stop short of fully general execution. Included are such activities as type checking, partial evaluation, and, ultimately, optimized compilation. This paper describes a novel approach to static evaluation of programs in functional languages involving infinite data objects, i.e. those using normal order or "lazy" evaluation. Its principal f ...

## 23 [Business process modeling: modeling and simulation of complex problems: Visual modeling of business problems: workflow and patterns](#)

Lev Virine, Jason McVean

 December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

 Full text available: [pdf\(257.38 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#)

Computer-based business analysis relies on models, or algorithmic representations of the business process. Real-life business problems can become very complex, which creates difficulties in generation, analysis, testing, and the actual use of the models. The paper discusses a proposed solution: the visual modeling workflow. A diagram or a group of diagrams represent each step within this workflow. The visual modeling process can be simplified by applying patterns or problem-solution formulas. Su ...